

BOOK

Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8

Ist And Final Bill

M. A. R. 57 (Rule 116)

Measurement Book

Work order - 005-17-000017

Est cost Rs - 15.00 lacs

No. B

Maintenance & Existing Borewells only for 356418

Drilled and Maintenance by BBMP in Ward No. 05 Surrounding

Area Byatarayanapura Sub Division.

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Work order No.	BBMP/EE/BTP/NO/210/2016-17				Date. 8/03/2017	
	Name of Contractor	H.V. Nagaraj, Kothakote.				Bagepally, Chikaballapur, Dist.	
	① Lifting & Submersible Pump set as per specification and direction.						
	Log book Enclosed.						
	Rate - 114.00	2x22x45				1980 nos	
						225720.00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
②	Transportation & Pumping machinery. Log book enclosed. Rate. ~~945:00~~ ~~940~~	22	-	-	-	22 nos	~~20680~~ ~~20790~~
③	Labour charges (long hauling) Log book enclosed Rate. ~~577:00~~ ~~574~~	22	-	-	-	22 nos	~~12628~~ ~~12694~~
④	Repair to motor. Rewinding & Submergence Pump legs with copper insulation wire & suitable gauge of 13/8 mm with guarantee of 6 months even complete as per 13/8 mm as direction of Engineer in case of the work. 12.00 HP.						

M. N.		
Serial No.	Fr	
Name of Work	Fr	
Name of Contractor of nature of Agency	Fr	
Date of commencement of work	Fr	
Date	Full description, etc, of work 2	Number 3
	Log book enclosed	7
	Rate. 4963:00	
⑤	15 HP Motors. Log book enclosed	15
	Rate. 5747:00	
⑥	Starter (with one year Log book enclosed)	2
	Rate. 5277:00	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8

			machinery.	
			22 nos	20680
				20790
			22 nos	12628
				12694
			8 Submersible Pump sets with	
			8 Servoless Gauge as per 13/10/1961	
			even complete as per 13/10/1961	
			increase & the work. 12.00 H.P.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356419

Serial No. From To
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Serial No.	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Log book enclosed.	7	-	-	-	7 nos	34741:00
	Rate. 4963:00						
	15 HP Motors.						
	Log book enclosed.	15	-	-	-	15 nos	86205:00
	Rate. 5747:00						
	Starter (with one year guarantee).						
	Log book enclosed.	22	-	-	-	22 nos	116094:00
	Rate. 5277:00						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	⑦ Rotor (with one year guarantee) Log book Enclosed. Rate. 4911:00	22	-	-	-	22 nos	10842:00
	⑧ Pump Bowl. Log book Enclosed. Rate. 732:00	195 nos.	-	-	-	195 nos	142740:00
	⑨ Intermediate piece (IP) with 18 leaded Bronze Bush. Log book Enclosed. Rate. 470:00	20	-	-	-	20 nos	9400:00

[Signature]

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Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Number
	⑩ Upper Flange. Log book Enclosed. Rate. 365:00	22
	⑪ Lower Housing. Log book Enclosed. Rate. 679:00	22
	⑫ Carbon Housing Log book Enclosed. Rate. 496:00	22

NT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6		

22 nos	108042		
195 nos	142740		
20 nos	9400		

M. A. R. 57 (Rule 116) Measurement Book

No. B

356420

al No.
ne of Work From To
ne of Contractor of nature of Agency
e of commencement of work

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Upper Flange. <u>Log book Enclosed</u> Rate - 365 = 00	22	-	-	-	22 nos	8030 = 00
Lower Housing. <u>Log book Enclosed</u> Rate - 679 = 00	22	-	-	-	22 nos	14938 = 00
Carbon Housing <u>Log book Enclosed</u> Rate - 496 = 00	22	-	-	-	22 nos	10912 = 00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
⑬	Thrust bearing block assembly complete with segment bearing pad. Log book Enclosed. Rate. 1201:00	22	-	-	-	22 nos	26422:00
⑭	oil seal. Log book Enclosed. Rate. 130:00	22 No	-	-	-	22 nos	2860:00
⑮	oil seal Steel Bush. Log book Enclosed. Rate. 156:00	22	-	-	-	22 nos	3432:00

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erial No.
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ame of Contractor of nature of Agency
ate of commencement of work

Date	Full description, etc, of work 2	Number 3
⑯	Guide Vane. Log book Enclosed. Rate. 183:00	100
⑰	Impeller shell moulded Log book Enclosed. Rate. 444:00	22

BOOK

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Measurement Book

No. B

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Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8

ably complete with segments

22 nos 26422:00

22 nos 2860:00

22 nos 3432:00

Serial No. From To
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Serial No.	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6	Guide Vane. Log book Enclosed. Rate. 183:00	100	-	-	-	100 nos	18300:00
7	Impeller shell moulded with aluminium Bronze. Log book Enclosed. Rate. 444:00	22	-	-	-	22 nos	9768:00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(18)	Discharge outlet Log book Rate. 465:00	(100) Bearing enclosed 40	-	-	-	Steel Bush. 40 nos 18600:00	
(19)	I.O. Bearing Log book Rate. 298:00	enclosed. 40	-	-	-	40 nos 11920:00	
(20)	Steel Bush. Log book Rate. 157:00	enclosed. 150	-	-	-	150 nos 23550:00	

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Serial No.
Name of Work From
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Number
	2	3
21	Allen screw. log book Rate. 26:00	enc 175
22	Pump Shaft made on With key way Cup Rate. 993:00	22

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Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8

		ning 20 Steel Bugh.	
-	-	40 nos	18600 200
-	-	40 nos	11920 200
-	-	150 nos	23550 200

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Measurement Book

No. B

356422

Serial No.
 Name of Work From To
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Allen screw. log book enclosed. Rate. 26:00	175	-	-	-	175 Nos	4550200
	Pump shaft made out of Stainless steel Centreless ground with key way (cup and stages).	22	-	-	-	22 nos	21846200

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(23) Pump key (stainless steel) Log book enclosed. Rate - 130:00	22	-	-	-	22 nos 2860:00	
	(24) Pump coupling (stainless steel). Log book enclosed. Rate - 261:00	22	-	-	-	22 nos 5742:00	
	(25) Non-Return Valve (NRV) assembly complete with gaskets & Reins. Log book enclosed. Rate - 1410:00	15	-	-	-	15 nos 21150:00	

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	Number
		2
	(26) Cable Guard Log book enclosed. Rate - 156:00	2
	(27) Strainers. Log book enclosed. Rate - 156:00	2

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
2)				
closed.	-	-	22 nos	2860 = 1
steel).				
zed.	-	-	22 nos	5742 = 1
assembly complete with 90				
closed.	-	-	15 nos	21150 = 1

356423

Serial No. From To
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Sl. No.	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
6	Cable Guard Log book enclosed. Rate - 156:00	22	-	-	-	22 nos	3432:00
7	Strainer. Log book enclosed. Rate - 156:00	22	-	-	-	22 nos	3432:00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(28)	Brass Filter. Log book enclosed. Rate. 261:00	22	-	-	-	22 nos	5742:00
(30)	Re. erection charges & Pumping machinery including overhauling and painting. Log book enclosed. Rate. 993:00	20	-	-	-	20 nos	19860:00
(29)	Labour charges (Cover Hauling only) Log book enclosed. Rate. 581:00	22	-	-	-	22 nos	12782:00

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	No
1	2	
(31)	Lock Ring. Log book enclosed. Rate. 88:00	
(32)	Carbon Hauling. Log book enclosed. Rate. 496:00	

BOOK

Width	Depth	Contents	Reference to last Measurement
	6	7	8

		22 Nos	5742:00
		20 Nos	19860:00
		22 Nos	12782:00

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Measurement Book

No. B

356424

Serial No. From To
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
		3	4	5	6	7	8
	Lock Ring. Log book enclosed. Rate - 88:00	30	-	-	-	30 Nos	2640:00
	Carbon Housing. Log book enclosed. Rate - 496:00	20	-	-	-	20 Nos	9920:00

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(40)	Fabricating Supplying and mounting MS Box & 16 S.W. Sensible for floor/wall mounting S.W. weather proof with provision for lesser heat dissipation providing with hinged front cover equipped with tanker pump locking arrangements with sensible size clean with necessary cable entry pipe with stand and box should be finished & coated & red outside Prime Paint and finally finished with approved color enamel and Paint etc. Composite box of 2600 S.W.						
	(1) Manish K. K. T. K. K. Bathigalavay	1	1100.00	20.00	-	22000.00	
	(2) Channudi K. K. K. Bathigalavay	1	1100.00	20.00	-	22000.00	

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Serial No. From
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc., of work 2	Number 3
	(3) Bagavathappa K. K. K.	1
	(4) Channudi K. K. K.	1
	Rate. 0.35	
	(4) Supplying and drawing - mercure pump cable copper with 8 wire co class 5 & 15 8130 - 198	

Dimensions			Contents	Reference to last Measurements
Length	Breadth	Depth		
4	5	6	7	8
and mounting M 3 Box & 16 S.W. mounting Survey Wrench 1 bear description provided and 1000 Wm tanker Price on sensible 80% clean y pipe Wm stand and box ss & red outside Pines Rain renewed color enamel on & 2600 Salem.				
100.00	20.00	-	22000.00	
100.00	20.00	-	22000.00	

Measurement Book

356428

Serial No. From To
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Sl. No.	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
③	Bazavaden gappa Murala	1	1100.00	20.00	-	22000.00	
④	Wannipurusha layana	1	1100.00	20.00	-	22000.00	
	Rate. 0.235					88000.00 sum.	30800.00
①	Supplying and drawing 3 core gal pre stressed sub-merse pump cable manufactured with electrolytic grade copper with galvne copper conductor conforming to IS: 3 class 5 BIS 8130 - 1984 and under grade pre insulation						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	and smeared surface for wearing 1100 x 150 x 80 8 strands 0.3 mm dia wire B etc. complete. Sirinagara Rate - 193.00	1	400.00	-	-	400.00 mtr 77200.00	
(42)	Supplying and delivery of brand new best make non return valve of size 50 mm as per IS 778/84 with latest amendments with IS 1 mark (50 mm size wheel valve)						

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Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3
	Log book & Page - 1672.00	30
(43)	Providing and fixing Log book & Page - 242.00	30

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(44) Providing and Fixing 80 mm Al. Nipple to Motor. Log book Enclosed. Rate - 115 = 00	30	-	-	-	30 nos	3450 = 00
	(45) Providing and Fixing 80 mm Al union to the Motor. Log book Enclosed. Rate - 247 = 00	30	-	-	-	30 nos	7410 = 00

Date	Full description, etc, of work	Number
	(46) Earthwork Excavation Supply Sanitary Liner or in trenches 1.50 m not exceeding 1.50 m and sides 8:1:88 and clear from edges 8 ex 8 clods etc. complete As per spec. m Rate - 209 = 00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(47)	Providing and installing of size 8 mm 63mm (0.662) pre cast concrete piles including carrying of pipes and securing and labor including dressing lowering into trenching laying true to line level and perfect working as joint leak proof including dressing and approved work with all labor and lift charges handling charges including encasing the pipe around to a depth not less than 15cm with gravel or selected earth available from the excavation etc complete.						
As per pre-measurement recorded under Page No. 356475 in this MB 150.00 MB Rate. 385.00						57750.00	

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	
(48)	Reinforcing available not exceeding 20mm clear by 20mm and less up to 1.00 m as per specification of the work.	
	Quantity	
	Rate. 85.00	

T BOOK

Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8

Size of Work 63mm (0.63m)
 by Car & Pipe & Steel
 of lowering with trenching
 perfect working as joint
 measuring & approved for
 handling charges include
 a depth unless there
 earth available from the
 & recorded vide
 in this MB 150.00 MB
 57750.00

M. A. R. 57 (Rule 116) Measurement Book

No. B

356431

Serial No.
 Name of Work From To
 Name of Contractor of nature of Agency
 Date of commencement of work

Serial No.	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
8	Regrinding available earth around pipe line cables in trench not exceeding 20cm in depth compacting earth displaced by ramming after watering with lead up to 50 mm and less up to 1.00 mm including cost of all labour & material as per specification and direction of Engineer in charge of the work.						
	Quantity vide item no. (46)					50.63 m	
	Rate - 85.00						4303.55

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(49)	Providing and fixing in position brass plate valve with CI wheel & approved quality (Screwed end) 80 mm nominal bore including carp & all essential labour and Hom & equipments with all ready concrete as per specification.						
	Log book enclosed.	11	-	-	-	11 nos	25003-00
	Rate - 2273.00						
	Threading & hi pipes 80 mm dia.						
	Log book enclosed.					1300 Threads	33800.00
	Rate - 26.00						
	Total RS - 1566067						
							1566151-

CF RC
1025/18

(50)

28/08/18
28/08/18

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Serial No. From....
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3
	Certificate : ① Cert ② Mis b any 8	
	28/08/18	

BOOK

th	Depth	Contents	Reference to last Measurement
6	7	8	
		on Gross Rate Value (Screwed end) so much all meserial labour and outlay as per Specification.	
	11 Nos	25003 = 01	
	1300 Threads	33800 = 01	
Total RS -		~~1566067~~	
		1566151-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356432

Serial No. From To

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	<u>Certificate</u> . ① Certified that we have done S&S survey ② This bill amount has not been claimed in any previous bill. <i>[Signature]</i> 28/8/18 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀಕ್ಷಕರು ಬ್ಯಾಟರಿಯ ನಮರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬ್ಯಾಟರಿಯ ನಮರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Cont	Reference to last measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ದಿಲ್ಲ ಮೊಬಲಗು ರೂ. <u>15.66,151-00</u> ಗಣಿ ಪಾಸ್ ಮಾಡಿದ: ಇದರಲ್ಲಿ ರೂ. <u>52801-</u> ಮೊದಲಾಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು <u>1513,350-00</u> R:- <u>Fifteen Lakh. Thirteen thousand</u> <u>Three hundred fifty only.</u> <u>ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ</u> <u>Yashraj</u> <u>M Chandrashekar</u> ಅಧ್ಯಕ್ಷರು 6/9 10/06/09					<u>Total Rs: 15.66,151-00</u> <u>IT-31323-00</u> <u>CM-15662-00</u> <u>CBF-1566-00</u> <u>IT'n. 4250-00</u> <u>AdS-52801-00</u> <u>Chagn 15,13,350-00</u>	

Ist and Final Bies

Maintenance

Serial No.
Name of Work NO. 05 Beatao

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc., of work
1	2
	<u>Work order no.</u> <u>Name of Contractor</u> ① lifting & submer direction. Rate. 114.00 ✓ Log 8

① lifting & submer direction.

Rate = 114200 $\log 8$